

Title (en)  
GROUP ANCHOR SYSTEM, SUBSEA INSTALLATION SYSTEM, METHOD FOR USING AND INSTALLING SAME

Title (de)  
GRUPPENANKERSYSTEM, UNTERWASSERINSTALLATIONSSYSTEM, VERFAHREN ZUR VERWENDUNG UND INSTALLATION DAVON

Title (fr)  
SYSTÈME D'ANCRAGE DE GROUPE, SYSTÈME D'INSTALLATION SOUS-MARIN, PROCÉDÉ D'UTILISATION ET D'INSTALLATION ASSOCIÉ

Publication  
**EP 4352307 A1 20240417 (EN)**

Application  
**EP 22821161 A 20220610**

Priority  
• US 202163209142 P 20210610  
• US 2022033111 W 20220610

Abstract (en)  
[origin: US2022396926A1] Disclosed herein are a group anchor system, subsea installation tool and method of install such group anchor systems. The group anchor system includes a template through which a plurality of vertical piles, such as helical piles, are passed, drilled into the seabed at one end and secured to the template at the other to provide a mooring anchor for an offshore asset. The installation tool is a modular tool designed to mate with the group anchor system. Each module including drive mechanism for engaging and driving a pile. The piles may be driven simultaneously, individually, or in groups as required for proper placement and leveling. Methods of using the installation tool are also disclosed.

IPC 8 full level  
**E02D 5/54** (2006.01); **E02D 5/24** (2006.01); **E02D 5/56** (2006.01); **E02D 7/22** (2006.01); **E02D 27/16** (2006.01)

CPC (source: EP US)  
**E02D 5/56** (2013.01 - EP US); **E02D 7/22** (2013.01 - EP US); **E02D 27/12** (2013.01 - US); **E02D 27/50** (2013.01 - US); **E02D 2200/1671** (2013.01 - US); **E02D 2250/0061** (2013.01 - US); **E02D 2600/30** (2013.01 - US); **Y02E 10/727** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**US 2022396926 A1 20221215**; BR 112023026006 A2 20240227; EP 4352307 A1 20240417; JP 2024523266 A 20240628; TW 202323144 A 20230616; US 11965303 B2 20240423; US 2023392343 A1 20231207; WO 2022261503 A1 20221215

DOCDB simple family (application)  
**US 202217838025 A 20220610**; BR 112023026006 A 20220610; EP 22821161 A 20220610; JP 2023576325 A 20220610; TW 111121511 A 20220609; US 2022033111 W 20220610; US 202218251209 A 20220610